The Series 616D Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The 616D enclosure is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. The span and zero controls are for use when checking calibration. They are not intended for re-ranging to a significantly different span. Versatile circuit design enables operation in 2-wire current loops.

### SPECIFICATIONS
- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Stainless steel, glass, nickel, silicone rubber and brass.
- **Accuracy:** ±0.25% F.S. at 70°F.
- **Stability:** ±1% F.S./yr.
- **Pressure Limits:** 15 psi (100 kPa).
- **Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).
- **Stability:** ±1% FS/yr.
- **Pressure Limits:** See chart.
- **Accuracy:** ±0.25% FS at 70°F.
- **Stability:** ±1% FS at 70°F.
- **Wetted Materials:** Consult factory.
- **Temperature Limits:** See chart.
- **Thermal Effect:** ±0.02% F.S./°F (0.0012% F.S./°C).
- **Power Requirements:** 10-35 VDC (2-wire).
- **Output Signal:** 4 to 20 mA.

### Options
- **Zero and Span Adjustments:** Potentiometers for zero and span.
- **Loop Resistance:** DC: 0-1250 Ω max.
- **Current Consumption:** DC: 38 mA max.
- **Electrical Connections:** Screw-type terminal block.
- **Process Connections:** 1/8” female NPT. Accessories included are 2 barbed fittings for 1/8” (3.12 mm) and 3/16” (4.77 mm) ID rubber or vinyl tubing.
- **Mounting Orientation:** Vertical, on a 1.378” (35 mm) DIN rail.
- **Weight:** 4.8 oz (136 g).

### Process Tubing Options
See page 587 for process tubing options.

### Tables

#### Model Series 616D

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Max. Press.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>616D-2</td>
<td>0-6 in w.c.</td>
<td>5 psig</td>
<td>$227.00</td>
</tr>
<tr>
<td>616D-3</td>
<td>0-10 in w.c.</td>
<td>5 psig</td>
<td>227.00</td>
</tr>
<tr>
<td>616D-4</td>
<td>0-20 in w.c.</td>
<td>11 psig</td>
<td>227.00</td>
</tr>
<tr>
<td>616D-5</td>
<td>0-40 in w.c.</td>
<td>11 psig</td>
<td>227.00</td>
</tr>
<tr>
<td>616D-6</td>
<td>0-100 in w.c.</td>
<td>29 psig</td>
<td>227.00</td>
</tr>
<tr>
<td>616D-7</td>
<td>0-200 in w.c.</td>
<td>29 psig</td>
<td>227.00</td>
</tr>
</tbody>
</table>

#### Model Series 607D

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>607D-01</td>
<td>0 to 0.1</td>
<td>$6.90</td>
</tr>
<tr>
<td>607D-02</td>
<td>0 to 0.25</td>
<td>6.90</td>
</tr>
<tr>
<td>607D-03</td>
<td>0 to 0.5</td>
<td>6.90</td>
</tr>
<tr>
<td>607D-04</td>
<td>0 to 1</td>
<td>6.90</td>
</tr>
<tr>
<td>607D-05</td>
<td>0 to 2.5</td>
<td>6.90</td>
</tr>
<tr>
<td>607D-06</td>
<td>0 to 5</td>
<td>6.90</td>
</tr>
<tr>
<td>607D-07</td>
<td>0 to 10</td>
<td>6.90</td>
</tr>
</tbody>
</table>

For NIST traceable calibration certificate, use order code NISTCAL-PT1. 135.00

Items are subject to Schedule B discounts.

OPTION
For NIST traceable calibration certificate, use order code NISTCAL-PT1. 135.00

Items are not priced and are not subject to any discount.

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**DIN Rail Differential Pressure Transmitter**

Mounts on 35 mm DIN Rail

The Series 607D DIN Rail Mount Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4 to 20 mA output signal. The 607D housing is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. Units also include red/green LED status of proper transmitter operation. Versatile circuit design enables operation in 2-wire current loops.

### SPECIFICATIONS
- **Service:** Air and non-conductive, non-corrosive gases.
- **Wetted Materials:** 302 SS, glass, nickel, silicone rubber and brass.
- **Accuracy:** ±0.25% FS at room temperature. "RSS includes non-linearity, hysteresis and non-repeatability.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** Operating and compensated: 0 to 100°F (-18 to 77°C); Storage: -55 to 185°F (-54 to 85°C).
- **Pressure Limits:** 15 psi (100 kPa).
- **Thermal Effect:** (Includes zero and span) ±0.01°F/F, 0 to 170°F (-7 to 77°C).

### Options
- **Power Requirements:** 16 to 32 VDC.
- **Output Signal:** 4 to 20 mA.
- **Zero Adjustment:** Potentiometer for zero.
- **Response Time:** Approximately 10 ms.
- **Max. Loop Resistance:** DC: 0 to 800 Ω.
- **Electrical Connections:** Screw-type removable terminal block.
- **Process Connections:** Barbed fittings for 1/8” (3.12 mm) ID rubber or vinyl tubing.
- **Mounting Orientation:** Vertical, on a 1.378” (35 mm) DIN rail.
- **Weight:** 7.0 oz (198 g).

See page 587 for process tubing options.